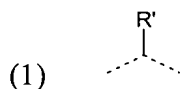


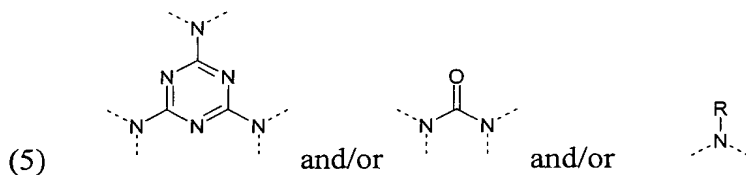
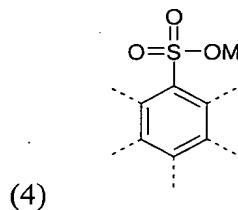
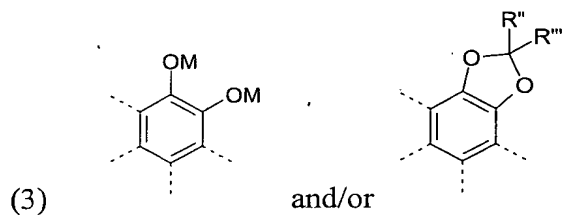
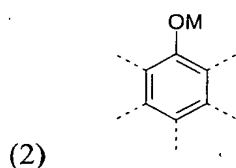
Abstract

A composition for the treatment of metal surfaces and for the deposition of metals or metal alloys on plastics surfaces contains

- a) at least one polymer as component A, composed of the structural element (1)



and at least three structural elements selected from the group consisting of



- b) water or another solvent which is suitable for dissolving, dispersing, suspending or emulsifying the polymer, as component B;

- c) if required, surface-active compounds, dispersants, suspending media and/or emulsifiers as component C.

In a process for the treatment of a metal surface and a process for the deposition of metals or metal alloys on a plastics surface, the metal or plastics surface is brought into contact with a polymer (component A). Furthermore, polymers (component A) are used for the
5 treatment of metal surfaces and for the deposition of metals or metal alloys on a plastics surface, and polymers composed of special components A'a, A'b and A'c.